Available online at www.sciencedirect.com
SCIENCE DIRECT®
Optics Communications 237 (2004) 455–461
OPTICS COMMUNICATIONS
ELSEVIER
www.elsevier.com/locate/optcom

Author index to volume 237

Álvarez, E., see Soto, H. 237 (2004) 121
Andrews, D.L., L.C.D. Romero and M. Babiker, On optical vortex interactions with chiral matter 237 (2004) 133
Ankiewicz, A., see Tomljenovic-Hanic, S. 237 (2004) 351
Ares, J., see Arines, J. 237 (2004) 257
Arines, J. and J. Ares, Significance of thresholding processing in centroid based gradient wavefront sensors: effective modulation of the wavefront derivative 237 (2004) 257
Ayyub, P., see Vasa, P. 237 (2004) 451

Baba, N., see Murakami, N. 237 (2004) 9
Babiker, M., see Andrews, D.L. 237 (2004) 133
Baxter, G.W., see Shen, Y.H. 237 (2004) 301
Beermann, J., S.I. Bozhevolnyi, V.G. Bordo and H.-G. Rubahn, Two-photon mapping of local molecular orientations in hexaphenyl nanofibers 237 (2004) 423
Binh, N.T., see Liu, C.Y. 237 (2004) 65
Bjarklev, A., see Lægsgaard, J. 237 (2004) 431
Boffi, P., L. Marazzi, L. Paradiso, P. Parolari, A. Righetti, D. Setti, R. Siano, R. Cigliutti, D. Mottarella, P. Franco and M. Martinelli, 20 Gb/s differential quadrature phase-shift keying transmission over 2000 km in a 64-channel WDM system 237 (2004) 319
Bordo, V.G., see Beermann, J. 237 (2004) 423
Bourquin, S., see Laubscher, M. 237 (2004) 275
Boyraz, O., see Han, Y. 237 (2004) 333
Bozhevolnyi, S.I., see Beermann, J. 237 (2004) 423

Carminati, R., see Marquier, F. 237 (2004) 379
Castro, M., see Soto, H. 237 (2004) 121
Chen, X., J.N. McMullin, C.J. Haugen and R.G. DeCorby, Planar concave grating demultiplexer for coarse WDM based on confocal ellipses 237 (2004) 71
Chen, Y., see Gu, X. 237 (2004) 53
Chen, Y., see Gu, X. 237 (2004) 53
Chen, X., see Gu, X. 237 (2004) 53
Chen, M.-L., see Cheng, C.-J. 237 (2004) 45
Cheng, B., see Hu, X. 237 (2004) 371
Cheng, C.-J. and M.-L. Chen, Polarization encoding for optical encryption using twisted nematic liquid crystal spatial light modulators 237 (2004) 45
Cheng, W.H., see Hsieh, C.H. 237 (2004) 285
Chiou, J.C. and W.T. Lin, Variable optical attenuator using a thermal actuator array with dual shutters 237 (2004) 341

doi:10.1016/S0030-4018(04)00583-8

Chu, H.-Y., see Kuo, Y.-K. 237 (2004) 363
Chu, P.L., see Zhang, F. 237 (2004) 213
Cigliutti, R., see Boffi, P. 237 (2004) 319
Collins, S.F., see Shen, Y.H. 237 (2004) 301
Cordero, R.R. and I. Lira, Uncertainty analysis of displacements measured by phase-shifting Moiré interferometry 237 (2004) 25

Díaz, C.A., see Soto, H. 237 (2004) 121
De Angelis, C., see Locatelli, A. 237 (2004) 97
de Valcárcel, G.J., see Prati, F. 237 (2004) 189
DeCorby, R.G., see Chen, X. 237 (2004) 71
Dharmadhikari, A.K., see Roy, S. 237 (2004) 251
Dussardier, B., see Shen, Y.H. 237 (2004) 301

Erasme, D., see Soto, H. 237 (2004) 121

Franco, P., see Boffi, P. 237 (2004) 319
Froehly, L., see Laubscher, M. 237 (2004) 275
Furuhashi, H., A. Shibata, Y. Uchida, K. Matsuda and C.P. Grover, A point diffraction interferometer with random-dot filter 237 (2004) 17
Fuyun, L., see Shumin, Z. 237 (2004) 1

Gallo, K., see Montes, C. 237 (2004) 437
Gong, M.L., see Zhang, H.T. 237 (2004) 179
Gong, X., see Huang, Z. 237 (2004) 389
Gopinath, J.T., see Sotobayashi, H. 237 (2004) 399
Grattan, K.T.V., see Shen, Y.H. 237 (2004) 301
Greffet, J.J., see Marquier, F. 237 (2004) 379
Grover, C.P., see Furuhashi, H. 237 (2004) 17
Gu, X., X. Chen, Y. Chen, X. Zeng, Y. Xia and Y. Chen, Narrowband multiple wavelengths filter in aperiodic optical superlattice 237 (2004) 53
Guekos, G., see Soto, H. 237 (2004) 121
Gupta, D., G. Kumar and K. Thyagarajan, Nonlinear pulse propagation in dispersion decreasing fibers 237 (2004) 309

Han, X., see Kong, Y. 237 (2004) 405
Han, Y., O. Boyraz, A. Nuruzzaman and B. Jalali, Optical header recognition using time stretch preprocessing 237 (2004) 333
Haugen, C.J., see Chen, X. 237 (2004) 71
Hautakorpi, M., A. Shevchenko and M. Kaivola, Spatially smooth evanescent-wave profiles in a multimode hollow optical fiber for atom guiding 237 (2004) 103
Hsieh, C.H., C.W. Lee, S.Y. Huang, R. Wang, P. Yeh and W.H. Cheng, Flat-top and low-dispersion interleavers using Gires–Tournois etalons as phase dispersive mirrors in a Michelson interferometer 237 (2004) 285
Hu, X., Y. Wang, Y. Liu, B. Cheng and D. Zhang, An optical switching in two dimensional Ce:$BaTiO_3$ nonlinear photonic crystal 237 (2004) 371
Huang, S.Y., see Hsieh, C.H. 237 (2004) 285
Huang, Y., see Huang, Z. 237 (2004) 389

Huang, Z., X. Gong, Y. Huang and Z. Luo, Modeling of the fundamental continuous wave Yb^{3+}:$YAl_3(BO_3)_4$ microchip laser 237 (2004) 389
Huang, D.X., see Li, Z. 237 (2004) 411
Huang, W.L., see Li, Z. 237 (2004) 411

Imasaka, T., see Otsuka, H. 237 (2004) 417
Inoue, M. and J.-i. Sakai, Curvature analysis of periodically segmented waveguides using a modified BPM 237 (2004) 111
Ippen, E.P., see Sotobayashi, H. 237 (2004) 399
Ishigaki, T., see Murakami, N. 237 (2004) 9

Jóźwicki, R., see Kozacki, T. 237 (2004) 235
Jalali, B., see Han, Y. 237 (2004) 333
Jian, W., see Shumin, Z. 237 (2004) 1
Joulain, K., see Marquier, F. 237 (2004) 379

Kaalund, C.J., Critically coupled ring resonators for add-drop filtering 237 (2004) 357
Kaivola, M., see Hautakorpi, M. 237 (2004) 103
Karamata, B., see Laubscher, M. 237 (2004) 275
Kato, Y., see Murakami, N. 237 (2004) 9
Kim, J.-E., see Min, B.-K. 237 (2004) 59
Kolodziejski, L.A., see Sotobayashi, H. 237 (2004) 399
Kong, J., D.Y. Tang, J. Lu, K. Ueda, H. Yagi and T. Yanagitani, Passively mode-locked Yb:Y_2O_3 ceramic laser with a GaAs-saturable absorber mirror 237 (2004) 165
Kong, Y., X. Lin, R. Li, Z. Xu and X. Han, A novel blue light generation by frequency doubling of a diode-pumped Nd:YAG thin disk laser 237 (2004) 405
Koontz, E.M., see Sotobayashi, H. 237 (2004) 399
Kozacki, T. and R. Jóźwicki, Near field hologram registration with partially coherent illumination 237 (2004) 235
Kumar, G., see Gupta, D. 237 (2004) 309
Kuo, Y.-K., B.-T. Liou, S.-H. Yen and H.-Y. Chu, Vegard's law deviation in lattice constant and band gap bowing parameter of zincblende $In_xGa_{1-x}N$ 237 (2004) 363

Lægsgaard, J. and A. Bjarklev, Reduction of coupling loss to photonic crystal fibers by controlled hole collapse: a numerical study 237 (2004) 431
Lasser, T., see Laubscher, M. 237 (2004) 275
Laubscher, M., S. Bourquin, L. Froehly, B. Karamata and T. Lasser, Spectroscopic optical coherence tomography based on wavelength de-multiplexing and smart pixel array detection 237 (2004) 275
Lazzaroni, M. and F.E. Zocchi, Optical coupling from plane wave to step-index single-mode fiber 237 (2004) 37
Lee, C.W., see Hsieh, C.H. 237 (2004) 285
Lee, S.Y., see Lo, Y.L. 237 (2004) 267
Leng, Y., see Wang, C. 237 (2004) 169
Li, Z., Z. Xiong, N. Moore, G.C. Lim, W.L. Huang and D.X. Huang, Pulse width reduction in AO Q-switched diode-pumped Nd:YVO_4 laser with GaAs coupler 237 (2004) 411
Li, R., see Kong, Y. 237 (2004) 405
Lim, G.C., see Li, Z. 237 (2004) 411

Lin, J.F., see Lo, Y.L. 237 (2004) 267
Lin, W.T., see Chiou, J.C. 237 (2004) 341
Lin, X., see Kong, Y. 237 (2004) 405
Liou, B.-T., see Kuo, Y.-K. 237 (2004) 363
Lira, I., see Cordero, R.R. 237 (2004) 25
Liu, Z.-B., see Zang, W.-P. 237 (2004) 221
Liu, C.Y., B.P. Zhang, N.T. Binh and Y. Segawa, Second harmonic generation in ZnO thin films fabricated by metalorganic chemical vapor deposition 237 (2004) 65
Liu, Y., see Hu, X. 237 (2004) 371
Lo, Y.L., S.Y. Lee and J.F. Lin, The new circular polariscope and the Senarmont setup with electro-optic modulation for measuring the optical linear birefringent media properties 237 (2004) 267
Locatelli, A., D. Modotto, D. Paloschi and C. De Angelis, All optical switching in ultrashort photonic crystal couplers 237 (2004) 97
Lu, J., see Kong, J. 237 (2004) 165
Luo, Z., see Huang, Z. 237 (2004) 389

Mahdi, M.A. and S.-J. Sheih, Low-noise 1480-nm pumped L-band erbium-doped fibre amplifiers incorporating a bypass isolator 237 (2004) 295
Mandal, J., see Shen, Y.H. 237 (2004) 301
Marazzi, L., see Boffi, P. 237 (2004) 319
Marquier, F., K. Joulain, J.P. Mulet, R. Carminati and J.J. Greffet, Engineering infrared emission properties of silicon in the near field and the far field 237 (2004) 379
Martinelli, M., see Boffi, P. 237 (2004) 319
Mathur, D., see Roy, S. 237 (2004) 251
Matsuda, K., see Furuhashi, H. 237 (2004) 17
McMullin, J.N., see Chen, X. 237 (2004) 71
Min, B.-K., J.-E. Kim and H.Y. Park, Channel drop filters using resonant tunneling processes in two-dimensional triangular lattice photonic crystal slabs 237 (2004) 59
Modotto, D., see Locatelli, A. 237 (2004) 97
Monnom, G., see Shen, Y.H. 237 (2004) 301
Montes, C., A. Picozzi and K. Gallo, Ultra-coherent signal output from an incoherent cw-pumped singly resonant optical parametric oscillator 237 (2004) 437
Moore, N., see Li, Z. 237 (2004) 411
Mottarella, D., see Boffi, P. 237 (2004) 319
Mulet, J.P., see Marquier, F. 237 (2004) 379
Murakami, N., Y. Kato, N. Baba and T. Ishigaki, Geometric phase modulation for the separate arms in nulling interferometer 237 (2004) 9

Norimatsu, S., see Yamamoto, T. 237 (2004) 79
Nuruzzaman, A., see Han, Y. 237 (2004) 333

Occhi, L., see Soto, H. 237 (2004) 121
Otsuka, H. and T. Imasaka, Efficient generation of rotational stimulated Raman emission arising from the $S_0(0)$ transition of cooled deuterium in the visible region 237 (2004) 417
Oulton, R.F., P.N. Stavrinou and G. Parry, Emission from laterally confined microcavities: an optical mode approach 237 (2004) 141

Pal, S., see Shen, Y.H. 237 (2004) 301
Paloschi, D., see Locatelli, A. 237 (2004) 97
Paradiso, L., see Boffi, P. 237 (2004) 319
Park, H.Y., see Min, B.-K. 237 (2004) 59
Parolari, P., see Boffi, P. 237 (2004) 319
Parry, G., see Oulton, R.F. 237 (2004) 141
Pessina, E.M., see Prati, F. 237 (2004) 189
Petrov, D., see Volpe, G. 237 (2004) 89
Picozzi, A., see Montes, C. 237 (2004) 437
Prati, F., E.M. Pessina, G.J. de Valcárcel and E. Roldán, Coherent effects in the multimode dynamics of inhomogeneously broadened ring lasers 237 (2004) 189

Quan, C., C.J. Tay, T. Wu, S.H. Wang and H.M. Shang, Optimal use of dynamic range of a white light video measurement system 237 (2004) 243

Randoux, S., see Suret, P. 237 (2004) 201
Rastogi, P.K., see Zhou, Y. 237 (2004) 325
Righetti, A., see Boffi, P. 237 (2004) 319
Roldán, E., see Prati, F. 237 (2004) 189
Romero, L.C.D., see Andrews, D.L. 237 (2004) 133
Roy, S., P. Sharma, A.K. Dharmadhikari and D. Mathur, All-optical switching with bacteriorhodopsin 237 (2004) 251
Rubahn, H.-G., see Beermann, J. 237 (2004) 423

Sakai, J.-i., see Inoue, M. 237 (2004) 111
Saldin, E.L., E.A. Schneidmiller and M.V. Yurkov, Terawatt-scale sub-10-fs laser technology – key to generation of GW-level attosecond pulses in X-ray free electron laser 237 (2004) 153
Schares, L., see Soto, H. 237 (2004) 121
Schneidmiller, E.A., see Saldin, E.L. 237 (2004) 153
Segawa, Y., see Liu, C.Y. 237 (2004) 65
Setti, D., see Boffi, P. 237 (2004) 319
Shang, H.M., see Quan, C. 237 (2004) 243
Sharma, P., see Roy, S. 237 (2004) 251
Sheih, S.-J., see Mahdi, M.A. 237 (2004) 295
Shen, Y.H., S. Pal, J. Mandal, T. Sun, K.T.V. Grattan, S.A. Wade, S.F. Collins, G.W. Baxter, B. Dussardier and G. Monnom, Investigation of the photosensitivity, temperature sustainability and fluorescence characteristics of several Er-doped photosensitive fibers 237 (2004) 301
Shevchenko, A., see Hautakorpi, M. 237 (2004) 103
Shibata, A., see Furuhashi, H. 237 (2004) 17
Shiping, Y., see Shumin, Z. 237 (2004) 1
Shumin, Z., L. Fuyun, X. Wencheng, Y. Shiping, W. Jian and D. Xiaoyi, Enhanced compression of high-order solitons in dispersion decreasing fibers due to the combined effects of negative third-order dispersion and Raman self-scattering 237 (2004) 1
Siano, R., see Boffi, P. 237 (2004) 319
Singh, B.P., see Vasa, P. 237 (2004) 451
Song, F., see Zang, W.-P. 237 (2004) 221

Soto, H., E. Álvarez, C.A. Díaz, J. Topomondzo, D. Erasme, L. Schares, L. Occhi, G. Guekos and M. Castro, Design of an all-optical NOT XOR gate based on cross-polarization modulation in a semiconductor optical amplifier 237 (2004) 121
Sotobayashi, H., J.T. Gopinath, E.M. Koontz, L.A. Kolodziejski and E.P. Ippen, Wavelength tunable passively mode-locked bismuth oxide-based erbium-doped fiber laser 237 (2004) 399
Stavrinou, P.N., see Oulton, R.F. 237 (2004) 141
Sun, T., see Shen, Y.H. 237 (2004) 301
Suret, P. and S. Randoux, Influence of spectral broadening on steady characteristics of Raman fiber lasers: from experiments to questions about validity of usual models 237 (2004) 201

Tang, D.Y., see Kong, J. 237 (2004) 165
Taneja, P., see Vasa, P. 237 (2004) 451
Tay, C.J., see Quan, C. 237 (2004) 243
Thyagarajan, K., see Gupta, D. 237 (2004) 309
Tian, J.-G., see Zang, W.-P. 237 (2004) 221
Tomljenovic-Hanic, S. and A. Ankiewicz, Wavelength splitting in photonic band-gap structures with multiple defects 237 (2004) 351
Topomondzo, J., see Soto, H. 237 (2004) 121

Uchida, Y., see Furuhashi, H. 237 (2004) 17
Ueda, K., see Kong, J. 237 (2004) 165

Vasa, P., B.P. Singh, P. Taneja and P. Ayyub, Erratum to "Antiresonant ring interferometry as a sensitive technique for measuring nonlinear optical properties of thin films" [Opt. Commun. 233 (2004) 297] 237 (2004) 451
Volpe, G. and D. Petrov, Generation of cylindrical vector beams with few-mode fibers excited by Laguerre–Gaussian beams 237 (2004) 89

Wade, S.A., see Shen, Y.H. 237 (2004) 301
Wang, Y., see Hu, X. 237 (2004) 371
Wang, Z.H., see Xiao, Z.Y. 237 (2004) 229
Wang, R., see Hsieh, C.H. 237 (2004) 285
Wang, S.H., see Quan, C. 237 (2004) 243
Wang, K.-r., see Wu, Q. 237 (2004) 453
Wang, X., see Wu, Q. 237 (2004) 453
Wang, D.S., see Zhang, H.T. 237 (2004) 179
Wang, C., Y. Leng, B. Zhao, Z. Zhang and Z. Xu, Extremely broad gain spectra of two-beam-pumped optical parametric chirped-pulse amplifier 237 (2004) 169
Wencheng, X., see Shumin, Z. 237 (2004) 1
Wu, Q., C.-X. Yu, K.-r. Wang, X.-j. Xin, X. Wang and Z.-h. Yu, Erratum to "The control of channel numbers with equal reflectivity of sinc-sampled fiber Bragg gratings" [Opt. Commun. 233 (2004) 83] 237 (2004) 453
Wu, T., see Quan, C. 237 (2004) 243

Xia, Y., see Gu, X. 237 (2004) 53
Xiao, Z.Y. and Z.H. Wang, One-dimensional chiral photonic band gap structure analyzed by non-symmetric transmission-line method 237 (2004) 229

Xiaoyi, D., see Shumin, Z. 237 (2004) 1
Xin, X.-j., see Wu, Q. 237 (2004) 453
Xiong, Z., see Li, Z. 237 (2004) 411
Xu, Z., see Kong, Y. 237 (2004) 405
Xu, J.-J., see Zang, W.-P. 237 (2004) 221
Xu, Z., see Wang, C. 237 (2004) 169

Yagi, H., see Kong, J. 237 (2004) 165
Yamamoto, T. and S. Norimatsu, Influence of word length of pseudo-random bit sequence on nonlinear crosstalk 237 (2004) 79
Yanagitani, T., see Kong, J. 237 (2004) 165
Yeh, P., see Hsieh, C.H. 237 (2004) 285
Yen, S.-H., see Kuo, Y.-K. 237 (2004) 363
Yu, C.-X., see Wu, Q. 237 (2004) 453
Yu, Z.-h., see Wu, Q. 237 (2004) 453
Yurkov, M.V., see Saldin, E.L. 237 (2004) 153

Zang, W.-P., J.-G. Tian, Z.-B. Liu, W.-Y. Zhou, F. Song and J.-J. Xu, Analysis of Z-scan of thick media with nonlinear refraction and absorption for elliptic Gaussian beam by variational approach 237 (2004) 221
Zeng, X., see Gu, X. 237 (2004) 53
Zhang, F. and P.L. Chu, Effect of coupling strength on chaos synchronization generated by erbium-doped fiber ring laser 237 (2004) 213
Zhang, H.T., D.S. Wang, M.L. Gong and D.Z. Zhao, Application of group theory to plane wave expansion method for photonic crystals 237 (2004) 179
Zhang, D., see Hu, X. 237 (2004) 371
Zhang, Z., see Wang, C. 237 (2004) 169
Zhang, B.P., see Liu, C.Y. 237 (2004) 65
Zhao, D.Z., see Zhang, H.T. 237 (2004) 179
Zhao, B., see Wang, C. 237 (2004) 169
Zhou, Y. and P.K. Rastogi, Fourier decomposition method for mode characterization in metal-clad fiber with complex index profile 237 (2004) 325
Zhou, W.-Y., see Zang, W.-P. 237 (2004) 221
Zocchi, F.E., see Lazzaroni, M. 237 (2004) 37

Available online at www.sciencedirect.com
SCIENCE DIRECT®
Optics Communications 237 (2004) 463–466
OPTICS COMMUNICATIONS
www.elsevier.com/locate/optcom

Subject index to volume 237

Propagation and scattering

Z. Shumin, L. Fuyun, X. Wencheng, Y. Shiping, W. Jian and D. Xiaoyi, Enhanced compression of high-order solitons in dispersion decreasing fibers due to the combined effects of negative third-order dispersion and Raman self-scattering 1

N. Murakami, Y. Kato, N. Baba and T. Ishigaki, Geometric phase modulation for the separate arms in nulling interferometer 9

H. Furuhashi, A. Shibata, Y. Uchida, K. Matsuda and C.P. Grover, A point diffraction interferometer with random-dot filter 17

R.R. Cordero and I. Lira, Uncertainty analysis of displacements measured by phase-shifting Moiré interferometry 25

M. Lazzaroni and F.E. Zocchi, Optical coupling from plane wave to step-index single-mode fiber 37

Z.Y. Xiao and Z.H. Wang, One-dimensional chiral photonic band gap structure analyzed by non-symmetric transmission-line method 229

Optical information, image formation and analysis, optical computing

C.-J. Cheng and M.-L. Chen, Polarization encoding for optical encryption using twisted nematic liquid crystal spatial light modulators 45

T. Kozacki and R. Jóźwicki, Near field hologram registration with partially coherent illumination 235

C. Quan, C.J. Tay, T. Wu, S.H. Wang and H.M. Shang, Optimal use of dynamic range of a white light video measurement system 243

S. Roy, P. Sharma, A.K. Dharmadhikari and D. Mathur, All-optical switching with bacteriorhodopsin 251

J. Arines and J. Ares, Significance of thresholding processing in centroid based gradient wavefront sensors: effective modulation of the wavefront derivative 257

Y.L. Lo, S.Y. Lee and J.F. Lin, The new circular polariscope and the Senarmont setup with electro-optic modulation for measuring the optical linear birefringent media properties 267

doi:10.1016/S0030-4018(04)00584-X

Optical communications

X. Gu, X. Chen, Y. Chen, X. Zeng, Y. Xia and Y. Chen, Narrowband multiple wavelengths filter in aperiodic optical superlattice 53

B.-K. Min, J.-E. Kim and H.Y. Park, Channel drop filters using resonant tunneling processes in two-dimensional triangular lattice photonic crystal slabs 59

C.Y. Liu, B.P. Zhang, N.T. Binh and Y. Segawa, Second harmonic generation in ZnO thin films fabricated by metalorganic chemical vapor deposition 65

X. Chen, J.N. McMullin, C.J. Haugen and R.G. DeCorby, Planar concave grating demultiplexer for coarse WDM based on confocal ellipses 71

T. Yamamoto and S. Norimatsu, Influence of word length of pseudo-random bit sequence on nonlinear crosstalk 79

G. Volpe and D. Petrov, Generation of cylindrical vector beams with few-mode fibers excited by Laguerre–Gaussian beams 89

A. Locatelli, D. Modotto, D. Paloschi and C. De Angelis, All optical switching in ultrashort photonic crystal couplers 97

M. Hautakorpi, A. Shevchenko and M. Kaivola, Spatially smooth evanescent-wave profiles in a multimode hollow optical fiber for atom guiding 103

M. Inoue and J.-i. Sakai, Curvature analysis of periodically segmented waveguides using a modified BPM 111

H. Soto, E. Álvarez, C.A. Díaz, J. Topomondzo, D. Erasme, L. Schares, L. Occhi, G. Guekos and M. Castro, Design of an all-optical NOT XOR gate based on cross-polarization modulation in a semiconductor optical amplifier 121

M. Laubscher, S. Bourquin, L. Froehly, B. Karamata and T. Lasser, Spectroscopic optical coherence tomography based on wavelength de-multiplexing and smart pixel array detection 275

C.H. Hsieh, C.W. Lee, S.Y. Huang, R. Wang, P. Yeh and W.H. Cheng, Flat-top and low-dispersion interleavers using Gires–Tournois etalons as phase dispersive mirrors in a Michelson interferometer 285

M.A. Mahdi and S.-J. Sheih, Low-noise 1480-nm pumped L-band erbium-doped fibre amplifiers incorporating a bypass isolator 295

Y.H. Shen, S. Pal, J. Mandal, T. Sun, K.T.V. Grattan, S.A. Wade, S.F. Collins, G.W. Baxter, B. Dussardier and G. Monnom, Investigation of the photosensitivity, temperature sustainability and fluorescence characteristics of several Er-doped photosensitive fibers 301

D. Gupta, G. Kumar and K. Thyagarajan, Nonlinear pulse propagation in dispersion decreasing fibers 309

P. Boffi, L. Marazzi, L. Paradiso, P. Parolari, A. Righetti, D. Setti, R. Siano, R. Cigliutti, D. Mottarella, P. Franco and M. Martinelli, 20 Gb/s differential quadrature phase-shift keying transmission over 2000 km in a 64-channel WDM system 319

Y. Zhou and P.K. Rastogi, Fourier decomposition method for mode characterization in metal-clad fiber with complex index profile 325

Y. Han, O. Boyraz, A. Nuruzzaman and B. Jalali, Optical header recognition using time stretch preprocessing 333

J.C. Chiou and W.T. Lin, Variable optical attenuator using a thermal actuator array with dual shutters 341

S. Tomljenovic-Hanic and A. Ankiewicz, Wavelength splitting in photonic band-gap structures with multiple defects 351

C.J. Kaalund, Critically coupled ring resonators for add-drop filtering 357

Atomic and molecular physics

D.L. Andrews, L.C.D. Romero and M. Babiker, On optical vortex interactions with chiral matter 133

Y.-K. Kuo, B.-T. Liou, S.-H. Yen and H.-Y. Chu, Vegard's law deviation in lattice constant and band gap bowing parameter of zincblende $In_xGa_{1-x}N$ 363

Condensed matter

X. Hu, Y. Wang, Y. Liu, B. Cheng and D. Zhang, An optical switching in two dimensional Ce:$BaTiO_3$ nonlinear photonic crystal 371

F. Marquier, K. Joulain, J.P. Mulet, R. Carminati and J.J. Greffet, Engineering infrared emission properties of silicon in the near field and the far field 379

Quantum optics

R.F. Oulton, P.N. Stavrinou and G. Parry, Emission from laterally confined microcavities: an optical mode approach 141

Laser physics and laser sources

E.L. Saldin, E.A. Schneidmiller and M.V. Yurkov, Terawatt-scale sub-10-fs laser technology – key to generation of GW-level attosecond pulses in X-ray free electron laser 153

J. Kong, D.Y. Tang, J. Lu, K. Ueda, H. Yagi and T. Yanagitani, Passively mode-locked Yb:Y_2O_3 ceramic laser with a GaAs-saturable absorber mirror 165

C. Wang, Y. Leng, B. Zhao, Z. Zhang and Z. Xu, Extremely broad gain spectra of two-beam-pumped optical parametric chirped-pulse amplifier 169

H.T. Zhang, D.S. Wang, M.L. Gong and D.Z. Zhao, Application of group theory to plane wave expansion method for photonic crystals 179

F. Prati, E.M. Pessina, G.J. de Valcárcel and E. Roldán, Coherent effects in the multimode dynamics of inhomogeneously broadened ring lasers 189

P. Suret and S. Randoux, Influence of spectral broadening on steady characteristics of Raman fiber lasers: from experiments to questions about validity of usual models 201

F. Zhang and P.L. Chu, Effect of coupling strength on chaos synchronization generated by erbium-doped fiber ring laser 213

Z. Huang, X. Gong, Y. Huang and Z. Luo, Modeling of the fundamental continuous wave Yb^{3+}:$YAl_3(BO_3)_4$ microchip laser 389

H. Sotobayashi, J.T. Gopinath, E.M. Koontz, L.A. Kolodziejski and E.P. Ippen, Wavelength tunable passively mode-locked bismuth oxide-based erbium-doped fiber laser 399

Y. Kong, X. Lin, R. Li, Z. Xu and X. Han, A novel blue light generation by frequency doubling of a diode-pumped Nd:YAG thin disk laser 405

Z. Li, Z. Xiong, N. Moore, G.C. Lim, W.L. Huang and D.X. Huang, Pulse width reduction in AO Q-switched diode-pumped Nd:YVO_4 laser with GaAs coupler 411

Nonlinear optics

W.-P. Zang, J.-G. Tian, Z.-B. Liu, W.-Y. Zhou, F. Song and J.-J. Xu, Analysis of *Z*-scan of thick media with nonlinear refraction and absorption for elliptic Gaussian beam by variational approach 221

H. Otsuka and T. Imasaka, Efficient generation of rotational stimulated Raman emission arising from the $S_0(0)$ transition of cooled deuterium in the visible region 417

J. Beermann, S.I. Bozhevolnyi, V.G. Bordo and H.-G. Rubahn, Two-photon mapping of local molecular orientations in hexaphenyl nanofibers 423

J. Lægsgaard and A. Bjarklev, Reduction of coupling loss to photonic crystal fibers by controlled hole collapse: a numerical study 431

C. Montes, A. Picozzi and K. Gallo, Ultra-coherent signal output from an incoherent cw-pumped singly resonant optical parametric oscillator 437

Errata

P. Vasa, B.P. Singh and P. Ayyub, Erratum to "Antiresonant ring interferometry as a sensitive technique for measuring nonlinear optical properties of thin films" [Opt. Commun. 233 (2004) 297] 451

Q. Wu, C.-X. Yu, K.-r. Wang, X.-j. Xin, X. Wang and Z.-h. Yu, Erratum to "The control of channel numbers with equal reflectivity of sinc-sampled fiber Bragg gratings" [Opt. Commun. 233 (2004) 83] 453